Review

# Topics:

* graphing non-linear functions
  + examples: y=2x, x2, √x
* solving quadratic equations
  + methods: factoring, completing the square, the quadratic formula
* graphing quadratic equation
  + find the axis of symmetry
  + find the vertex
  + find and use symmetrical points

# Problems

Graph the following.

1. y=2x



1. y=√x



1. y= 2(.5x)



1. y=√2x



Solve, using any method.

1. x2 - 4x + 3 = 0
2. x2 - 2x - 80 = 0
3. 7x2 + 35x - 42 = 0
4. - 6x2 + 9x + 15 = 0
5. 7x2 + 11x + 2 = 0
6. 9x2 + 14x + 5 = 0
7. 4x2 + 7x + 3 = 0
8. 3x2 + 11x + 10 = 0
9. - 8x2 + 11x + 7 = 0
10. 9x2 + 21x + 12 = 0

Graph the following.

1. y=x2 + 13x + 42



1. y=x2 - 4x + 4



1. y=x2 - 3x - 40



1. y=x2 + 5x + 6



1. y=x2 - 9x + 18



1. y=x2 - 5x + 6

